

ABSTRACT

A system and a method of selecting gateways using stored metrics associated with each route out of the domain and with each destination is presented. The metrics represent some measure to be minimized by the routing system, such as cost or delay. The route is selected quasi-deterministically. A first selection is made deterministically based on the stored metrics in order to attempt to use the optimum path. If a connection can not be established through the deterministically selected gateway, an alternate gateway is selected randomly from among the remaining gateways capable of reaching the destination at a reasonable cost.

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